

a2
32. (Amended) A medical device that can denature a cornea, comprising:
a plurality of energy devices that can each direct energy to a different focal point
within the cornea at a power level to denature corneal tissue; and
a controller that can select the energy devices so that the focal point of energy varies
through the cornea.

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36. (Amended) A method for denaturing a cornea, comprising:
directing energy onto a focal point within the cornea at a power level to denature
corneal tissue; and,
varying the focal point of the energy.

An edited version of the amended claims is attached as an Appendix.

Please cancel claim 35.

Please add claims 40-44 as follows.

a4
sub 1
40. (New) The medical system of claim 1, wherein the focal point is within a
stroma layer of the cornea.

41. (New) The medical system of claim 40, wherein said movement device
moves the focal point in a circular pattern about the cornea, wherein the circular pattern has
a diameter of approximately 6-8 millimeters.

42. (New) The medical system of claim 37, wherein the focal points are within a
stroma layer of the cornea.